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TI Thixotropic aqueous emulsion compositions and their manufacture
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PA Daicel Chemical Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 10 pp.
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CLASS

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AB The title compns., forming rapidly drying and tough films with reduced amt. of thickeners, useful for coatings, adhesives, and filling materials, contain powd. or granular fillers and fine fibers with av. diam. 0.01-5 .mu.m, av. length 5-3000 .mu.m, sp. surface area 50-300 m²/g, and aspect ratio 250-15,000 and are manufd. by blending aq. emulsions, the fillers, and the fibers. Thus, a coating prep'd. from ethylene-Veova 10-vinyl acetate copolymer emulsion 100, a 10% cellulose fiber slurry (Celish FD 100G; av. diam. 0.1 .mu.m, av. length 500 .mu.m, sp. surface area 200 m²/g, av. aspect ratio 5000) 5, hydroxyethyl cellulose 0.3, nonionic surfactant 2, polycarboxylic acid dispersant 2, 25% aq. ammonia 1, HOCH₂CH₂OH 7, di-Bu phthalate 5, antifoamer 0.5, fungicide 0.5, clay 30, CaCO₃ 50, TiO₂ 30, white marble (av. diam. 2-3 mm) 360, and H₂O 60 parts was sprayed on a primer-coated cement slate plate, showing loss by splash 8% and no sagging.

ST thixotropic coating cellulose fiber blend; slate coating thixotropic fiber blend; vinyl acetate copolymer emulsion thixotropic coating

IT Tiles